Enclosure II

CONFIDENTIAL

HRS COVER SHEET

FACILITY NAME: Kit Enterprises / Evergreen Environmental Industries

EPA I.D. #: NJD-096873922

ORIGINAL PRIORITY: Low

REVIEWED BY: NJDEP - Kornitas

REASSESSED PRIORITY: NFRAP

REVIEWED BY: PRL Guanaia EPA

COMMENTS:

PREPARER: _____ DATE: _____

CONFIDENTIAL NOT FOR RELEASE TO THE PUBLIC

HRS

	S	S^2
Groundwater Route Score (S_{gw})	1.11	1.23
Surface Water Route Score (S_{sw})	3.72	13.84
Air Route Score (S_a)	—	—
$S_{gw}^2 + S_{sw}^2 + S_a^2$		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M$		2.24

WORKSHEET FOR COMPUTING S_M

PRO

	S	S^2
Groundwater Route Score (S_{gw})	1.11	1.23
Surface Water Route Score (S_{sw})	4.97	24.73
Air Route Score (S_a)	—	—
$S_{gw}^2 + S_{sw}^2 + S_a^2$		25.96 ~~27.10~~
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2}$		5.09 ~~5.09~~
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M$		2.94 ~~8.7~~

WORKSHEET FOR COMPUTING S_M

Ground Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
1 Observed Release	0 45	1	—	45	—
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.					
2 Route Characteristics					
Depth to Aquifer of Concern	0 1 2 3	2	2	6	2
Net Precipitation	0 1 2 3	1	1	3	1
Permeability of the Unsaturated Zone	0 1 2 3	1	1	3	1
Physical State	0 1 2 3	1	3	3	3
Total Route Characteristics Score			7	15	7
3 Containment	0 1 2 3	1	1	3	1
4 Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1	18	18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	5	8	5
Total Waste Characteristics Score			13	26	13
5 Targets					
Ground Water Use	0 1 2 3	3	3	9	3
Distance to Nearest Well/Population Served	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	4	40	4
Total Targets Score			7	49	7
6 If line 1 is 45, multiply 1 x 4 x 5. If line 1 is 0, multiply 2 x 3 x 4 x 5			637	57.330	637
7 Divide line 6 by 57.330 and multiply by 100		S_{gw} =			

Surface Water Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	HRS	Max. Score	PRO
[1] Observed Release	0 45	1	0	45	0
If observed release is given a value of 45, proceed to line [4]. If observed release is given a value of 0, proceed to line [2].					
[2] Route Characteristics					
Facility Slope and Intervening Terrain	0 1 2 3	1	1	3	1
1-yr. 24-hr. Rainfall	0 1 2 3	1	2	3	2
Distance to Nearest Surface Water	0 1 2 3	2	4	6	4
Physical State	0 1 2 3	1	3	3	3
Total Route Characteristics Score			10	15	10
[3] Containment	0 1 2 3	1	2	3	2
[4] Waste Characteristics					
Toxicity/Persistence	0 3 6 9 12 15 18	1	18	18	18
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	2	8	2
Total Waste Characteristics Score			20	26	20
[5] Targets					
Surface Water Use	0 1 2 3	3	6	9	6
Distance to a Sensitive Environment	0 1 2 3	2	0	6	2
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 / 12 16 18 20 / 24 30 32 35 40	1	0	40	0
Total Targets Score			6	55	8
[6] If line [1] is 45, multiply [1] x [4] x [5]. If line [1] is 0, multiply [2] x [3] x [4] x [5]			1400	64,350	
[7] Divide line [6] by 64,350 and multiply by 100		S_{sw} =	3.72		4.97

Air Route Work Sheet

Rating Factor	Assigned Value (Circle One)	Multiplier	Score	Max. Score	PRO
1 Observed Release	0 45	1		45	
Date and Location:					
Sampling Protocol:					
If line 1 is 0, the S_a = 0. Enter on line 5 If line 1 is 45, then proceed to line 2					
2 Waste Characteristics					
Reactivity and Incompatibility	0 1 2 3	1		3	
Toxicity	0 1 2 3	3		9	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8	
	Total Waste Characteristics Score			20	
3 Targets					
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30	
Distance to Sensitive Environment	0 1 2 3	2		6	
Land Use	0 1 2 3	1		3	
	Total Targets Score			39	
4 Multiply 1 x 2 x 3				35,100	
5 Divide line 4 by 35,100 and multiply by 100		S_a =			